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Claims

1. A method for transmitting data in a switchable data network, comprising:

assigning priorities to data telegrams having a beginning and an end; and

sending the data telegrams assigned a first priority during a first phase from first users to second users, wherein the first phase is characterized by a defined receive time of the end of the respective data telegram at the second user.

2. A method according to Claim 1, wherein only data telegrams assigned a second priority are sent in a second phase after the end of the first phase.

3. A method according to Claim 1, wherein data telegrams assigned any priority are sent in a third phase after the end of the second phase.

4. A method according to Claim 1, wherein the first phase is cyclically repeated.

5. A method according to Claim 1, wherein data telegrams with realtime data are assigned the first priority.

6. A system for transmitting data in a switchable data network, comprising users having mechanisms for sending, receiving, and/or forwarding data telegrams, wherein the telegrams having a beginning and an end and wherein the telegrams are assigned priorities, wherein first users are provided during a first phase for sending data telegrams assigned a first priority to second users, with the first

phase being characterized by a defined receive time of the end of the respective data telegram at the second user.

7. A system according to Claim 6, wherein the first users are provided during a second phase after the end of the first phase for exclusively sending data telegrams assigned a second priority to the second users.

8. A system according to Claim 6, wherein the first users are provided during a third phase after the end of the second phase for sending data telegrams assigned any priority to the second users.

9. A system according to Claim 6, wherein the system for transmitting realtime data is provided in the switchable data network, with the realtime data being assigned the first priority.

10. A usable portion of a switchable data network comprising mechanisms for sending, receiving, and/or forwarding data telegrams, wherein the telegrams have a beginning and an end and wherein the telegrams are assigned priorities, wherein a first usable portion is used during a first phase for sending data telegrams assigned a first priority to a second usable portion, with the first phase having a defined receive time of the end of the data telegram at the second usable portion.

11. A method according to Claim 2, wherein data telegrams assigned any priority are sent in a third phase after the end of the second phase.

12. A method according to Claim 2, wherein the first phase is cyclically repeated.

13. A method according to Claim 3, wherein the first phase is cyclically repeated.

14. A method according to Claim 2, wherein data telegrams with realtime data are assigned the first priority.

15. A method according to Claim 3, wherein data telegrams with realtime data are assigned the first priority.

16. A method according to Claim 4, wherein data telegrams with realtime data are assigned the first priority.

17. A system according to Claim 7, wherein the first users are provided during a third phase after the end of the second phase for sending data telegrams assigned any priority to the second users.

18. A system according to Claim 7, wherein the system for transmitting realtime data is provided in the switchable data network, with the realtime data being assigned the first priority.